

Kissinger, Lon

From: Brown, Katherine
Sent: Friday, August 08, 2014 8:56 AM
To: Kissinger, Lon
Cc: Brown, Donald M.
Subject: FW: Sun'aq Fish Consumption QAPP DRAFT 8-7-2014
Attachments: SunaqQAPPAug2014v3DRAFT.docx

Hi Lon!

Here is the revised draft of Sun'aq's Fish Consumption QAPP. They have a biologist now and a statistician they're consulting with, and I think the issues are resolved.

Katherine x7263

From: Tom Lance [biology@sunaq.org]
Sent: Thursday, August 7, 2014 5:27 PM
To: Brown, Katherine
Cc: Kathy Drabek
Subject: Sunaq QAPP DRAFT 8-7-2014

Here is an updated version!

Tom Lance
STK Biologist
907 486 4449

From: Kathy Drabek [mailto:sca@sunaq.org]
Sent: Thursday, August 07, 2014 2:15 PM
To: Brown, Katherine
Cc: biology@sunaq.org<mailto:biology@sunaq.org>
Subject: FW: Sunaq QAPP - sample size calculations

Katherine,

Wanted to send you the calcs that are pretty firm, so that you would have something to pass on to L. Kissinger. This is where Tom has come to today, he is working from home and won't be in the office until tomorrow. Here in the next few minutes I will send you the QAPP, as it stands today, and in finished form by tomorrow--with Tom's assistance we will get this Calculation section in to the QAPP properly and finalize some of the last tweaks he and I have talked about.

Regards,
Kathy

From: Tom Lance [mailto:sprucegardens@alaska.net]
Sent: Thursday, August 07, 2014 12:32 PM

To: Kathy Drabek
Subject: Sunaq QAPP - sample size calculations

Hello Kathy

Sorry for the delay in meeting your deadline... I don't have much hair left to pull on my head, but I did it, and found an error in my calculations of sample sizes for the the seafood study (and I also lowered the estimated "s"). I am thankful for Peter Holck, consulting statistician, looking my calculations over and discovering the errors.

The good news is, it does reduce the sample size numbers for populations surveyed. The bad news is, the numbers do not drop enough, given your constraints.

To summarize, new the numbers and calculations are tacked on as a spreadsheet to this email.

Least Time estimate for interviews at 5 locations = 139 hours or Most Time = 250.2 hours (see spread sheet)

DETAILS

Peter Holck reviewed my work and commented that he found two small faults in my calculations. I substituted $\ln(1.2)$ for $\ln(s)$ in the equation.

His other comment regards how I combined several village populations to form one population ... which I believe is valid based on the assumptions I made, and it does reduce the number of samples required. If the assumptions are not valid, then the danger is, our sample sizes will be too small.

You still require more time to complete the fieldwork than what you expected. This is not your fault ! It is a function of statistical needs for the study.

I hope this doesn't discourage everyone - if the funding and timelines don't mesh, maybe the project can be trimmed into a "preliminary study" or pilot study? There are some newer research papers that tackle fish consumption using alternative methods... might work for this project if all else fails.

Tom Lance
Tribal Biologist
Sun'aq Tribe of Kodiak

From: Kathy Drabek [sca@sunaq.org]
Sent: Wednesday, August 6, 2014 3:26 PM
To: Brown, Katherine
Cc: biology@sunaq.org
Subject: RE: Sun'aq QAPP, Workplan, and Budget Revisions

Hello Katherine,

Sorry for the extended time beyond what I said earlier. Tom and/or I have been in communication with (phone and email) with Dr Peter Holck (statistician recommended by Dr. Ellen Provost of ANTHC in Anchorage) and now he and Tom are working through their views of the formulas and their outcomes via email. Tom is out for the remainder of the day; however, tomorrow ASAP we will get you the QAPP.

Kathy

From: Brown, Katherine
Sent: Monday, August 4, 2014 10:27 AM
To: Kissinger, Lon
Subject: RE: Sun'aq QAPP, Workplan, and Budget Revisions

Thanks Lon. Please hold off on your review until I get you another version, should come in tomorrow. They really want to fix a few things.

-----Original Message-----

From: Kathy Drabek [mailto:sca@sunaq.org]
Sent: Monday, August 04, 2014 9:14 AM
To: Brown, Katherine
Subject: RE: Sun'aq QAPP, Workplan, and Budget Revisions

Morning Katherine,

I am going thru some edits Tom has given me from Friday and hope to get that off to you today or tomorrow at the latest. I am glad L. Kissinger is going to take a look at it too, but hope he doesn't until I get these edits accomplished no later than tomorrow. Tom is working on the formula/calcs, finishing the database and I will focus on workplan, QAPP and budget revisions. Talk/email with you by the end of this week.

Kathy

-----Original Message-----

From: Kissinger, Lon
Sent: Monday, August 04, 2014 9:41 AM
To: Brown, Katherine
Subject: RE: Sun'aq QAPP, Workplan, and Budget Revisions

Hi Katherine,

Thanks. Will get to it this week.

Lon Kissinger
Risk Assessor
Office of Environmental Assessment, Risk Evaluation Unit U.S. EPA - Region 10, Suite 900 Mail Stop: OEA-095
1200 6th Ave.
Seattle, WA 98101

kissinger.lon@epa.gov

206-553-2115 voice
206-553-0119 FAX

-----Original Message-----

From: Brown, Katherine

Sent: Friday, August 01, 2014 4:12 PM
To: Kissinger, Lon
Subject: FW: Sun'aq QAPP, Workplan, and Budget Revisions

Lon, please review this latest version. Thank you!!!

From: Brown, Katherine
Sent: Friday, August 1, 2014 4:06 PM
To: sca@sunaq.org; biology@sunaq.org
Cc: Brown, Donald M.; Kissinger, Lon
Subject: Re: Sun'aq QAPP, Workplan, and Budget Revisions

Hi Kathy and Tom!

Thank you both for your efforts. You've done great work! This draft is going to get some additional review by Lon Kissinger from our Office of Environmental Assessment. I expect we'll get his recommendations within the next week or so. Based on those, it will probably need a little more work. I think something is wrong with your sample size formula or calculations (p.8-9). You shouldn't need to interview 45% of all members of each tribe, I agree that's not feasible. You should be figuring that out and updating your workplan and budget revisions now, with timelines and all remaining tasks and budget line items, consistent with a projected August 30 QAPP approval. Please try to get those in to me by the end of next week, so you're ready to work on the QAPP again as soon as it comes back.

In answer to your questions...

1. You should put the new Tribal Administrator's name in the next QAPP revision.
2. Yes, you should be working on workplan and budget revisions now, as described above.
3. Fix formatting issues on the next QAPP revision.
4. Send a copy of the blank Excel spreadsheet with the next QAPP revision.
- *5. Regarding interviews, you do need to plan to conduct a statistically significant number of interviews in each village. Figure out what's wrong with the formula or calculations. You should have sufficient funding for 2 Sun'aq staff to spend 2-3 days on the ground, with the assistance of 2 paid interviewers and IGAP staff, in each village, over a few weeks. Figure out how to get it done ASAP (I know you can do it) and make it clear in your workplan, budget, and QAPP revisions.

If you have any other questions, please call me. Thank you again for all your work! Happy weekend!

Katherine
(206) 553-7263

From: Kathy Drabek [sca@sunaq.org]
Sent: Wednesday, July 30, 2014 5:20 PM
To: Brown, Donald M.
Cc: Brown, Katherine; biology@sunaq.org
Subject: Sun'aq QAPP

Dear Mr. Brown and Katherine,

Well here we are at July 30, 2014. I have attached the revised QAPP. Tom and I have worked very hard on revisions. I have to admit I thought we could accomplish all of this work in a shorter period of time--funny how reality is so uncooperative.

There are several questions that I have for you both:

- The Approvals and the Distribution pages lists Virginia Abston as Acting Administrator. Sun'aq has hired a new administrator (J.J. Marsh); however, she does not start until either August 4th or 11th. Given that this is a week or so out, are we correct to keep Virginia's name?
- With some of the revisions I am wondering if I need to redo the Workplan and Budget?
- Within the QAPP there are remaining several formatting issues, like page numbering and white space that needs to be corrected and Table of Contents errors. We felt the body of text and tables took priority over the formatting issues. We will continue to work on the document housekeeping issues while EPA approval is or isn't forthcoming.
- The questionnaire portion of the QAPP has been coded to match our designed Excel database. I need to know if you would like me to send a blank spreadsheet and advise that it is very long.
- We ran a calculation of an average interview timeframe for obtaining enough interviews to be statistically valid and feel the interviews could take up to two months' time. I do need to know your thoughts on this statement as it doesn't align with either the budget or the workplan.

Thank you Katherine for your support and guidance throughout this project so far. If any further data is needed, do let me know?

Sincerely,

Kathy Drabek

Foods Consumption Assessment
Special Project Manager
Sun'aq Tribe of Kodiak
312 W. Marine Way
Kodiak, AK 99615

Phone: 907.486.4449
Fax: 907.486.3361
Email: sca@sunaq.org